

SEP 27 2007

Application Serial No. 10/582,890
Preliminary AmendmentPATENT
Docket: CU-4882Amendments To The Claims

The listing of claims presented below will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (currently amended) In a system connected to a mobile switching center configured to provide a substitute ringback tone to a caller terminal ~~when while the mobile switching center suspends is establishing a call to a called connection between the caller and receiver terminals and requests a service by providing an identification code of the called terminal, a method of setting providing the substitute ringback tone to~~ the caller terminal comprising the steps of:

(a) ~~providing a play control server for storing substitute ringback tone setting information set for each of every service subscriber who has subscribed to a substitute ringback tone service in a play control server, and a play server for storing various substitute ringback tones in a play server, and~~

wherein the play server is configured to reproduceing and provideing one of the various substitute ringback tones in response to thea request of from the mobile switching center, and the substitute ringback tone being selected based on the setting information stored in the play control server;

(b) ~~receiving a call (information) including the an identification code of the called receiver terminal from the mobile switching center;~~

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(e) identifying a tone code for the ~~called~~receiver terminal from the play control server, and reproducing the substitute ringback tone ~~having an~~corresponding to the identified tone code, ~~to and providing~~the substitute ringback tone to the caller terminal;

(d) checking whether a predetermined key input is received from the caller terminal; and

(e) when the predetermined key input is received from the caller terminal, checking the identification code of the caller terminal and the tone code for the ~~called~~receiver terminal ~~to stored~~in the play control server, whereby and setting the substitute ringback tone of the caller terminal such that the substitute ringback tone of the caller terminal is ~~set to be identical with~~to the substitute ringback tone of the ~~called-receiver~~ terminal.

2. (currently amended) The method ~~as claimed in of~~ claim 1, further comprising ~~at the~~ step of:

(f) sending a short message to the caller terminal for notifying a change of the substitute ringback tone.

3. (currently amended) The method ~~as claimed in of~~ claim 1, wherein said step (e) ~~of~~checking the identification code of the caller terminal and the tone code for the receiver terminal comprises the steps of:

(e1) ~~Upon~~Upon receiving the predetermined key input, determining whether the caller terminal is ~~has~~ subscribed to the substitute ringback tone service; and

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(e2)-when the caller terminal ~~is~~ has not subscribed to the substitute ringback tone service, sending a short message to the caller terminal ~~for~~ advising the caller terminal of a required subscription of the service.

4. (currently amended) In a system connected to a mobile switching center configured to provide a substitute ringback tone to a caller terminal ~~when~~ while the mobile switching center ~~suspends~~ (sets up) is establishing a call connection to a called between the caller and receiver terminals ~~and requests a service by providing an identification code of the called terminal~~, a method of ~~setting~~ providing the substitute ringback tone to the caller terminal comprising the steps of:

(a) ~~providing a play control server for~~ storing substitute ringback tone setting information ~~set for each of every~~ service subscriber who has subscribed to a substitute ringback tone service in a play control server, and ~~a play server for~~ storing various substitute ringback tones in a player server, and

wherein the player server is configured to reproduce and providing one of the various substitute ringback tones in response to ~~the~~ request of the mobile switching center, ~~and the one of a various~~ substitute ringback tones being selected based on the setting information stored in the play control server;

(b) ~~receiving a call~~ (information) including ~~the~~ an identification code of the called receiver terminal from the mobile switching center;

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~~(c)~~identifying a tone code for the called receiver terminal from the play control server, ~~and reproducing the substitute ringback tone having corresponding to the an~~ identified tone code, ~~and to providing~~ the substitute ringback tone to the caller terminal;

~~(d)~~checking whether a predetermined key input is received from the caller terminal;

~~(e)~~when the predetermined key input is received from the caller terminal, sending a short message containing a callback information of the system to the caller terminal for inviting the caller terminal to connect to the system;

~~(f)~~when the caller terminal is connected to the system, receiving a confirmation for change of the substitute ringback tone; and

~~(g)~~storing the identification code of the caller terminal and the tone code for the called terminal in the play control server, such that the tone code for the caller terminal is now identical to the tone code of the called terminal.

5. (currently amended) The method ~~as claimed in~~ of claim 4, wherein said step ~~(e)~~ of sending a short message containing a callback information of the system comprises the steps of:

~~(e1)~~ Upon receiving the predetermined key input, determining whether the caller terminal ~~is~~ has subscribed to the substitute ringback tone service; and

~~(e2)~~when the caller terminal ~~is~~ has not subscribed to the substitute ringback tone service, sending a short message to the caller terminal for advising the caller terminal of a required subscription of the substitute ringback tone service.

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6. (currently amended) The method ~~as claimed in~~ claim 4, wherein said step ~~(f) of~~
receiving a confirmation for change of the substitute ringback tone comprises the step
of:

receiving reproduction conditions including reproduction time and callers for
reproducing the substitute ringback tone, wherein the reproduction conditions are stored
in ~~said step (g)~~ the play control server.

7. (currently amended) In a system connected to a mobile switching center
configured to provide a substitute ringback tone to a caller terminal ~~when the mobile~~
~~switching center suspends (sets up) a call to a called terminal and requests a service by~~
~~providing an identification code of the called terminal~~, a method of ~~setting~~ providing the
substitute ringback tone to the caller terminal comprising the steps of:

~~(a) providing a play control server for storing substitute ringback tone~~ setting
information ~~set for each of every service subscriber who has subscribed to a substitute~~
ringback tone service in a play control server, and ~~a play server for storing various~~
substitute ringback tones in a play server, and

wherein the play server is configured to reproduce and
providing one of the various substitute ringback tones in response to
the request of the mobile switching center, and the one of a various
substitute ringback tones being selected based on the setting information
stored in the play control server;

~~(b) receiving a target phone number of a third party from a user~~ the caller
terminal through a communications network;

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~~(e)-identifying the substitute ringback tone of~~ corresponding to the target phone number ~~the third party~~ from the play control server;

~~(d)-receiving, from the user~~ caller terminal, a confirmation for change of the substitute ringback tone, ~~of the user in such a way that~~ and then setting the substitute ringback tone of the ~~user~~ caller terminal ~~is set to be identical with~~ to the substitute ringback tone ~~of the target phone number~~ the third party; and

~~(e)-storing the phone number of the user~~ caller terminal and the tone code for the ~~third party~~ target phone number in the play control server, such that the tone code of the caller terminal is now identical to the tone code of the target phone number.

8. (currently amended) The method ~~as claimed in~~ of claim 7, further comprising a step of:

determining whether the ~~user~~ caller of the caller terminal ~~is~~ has subscribed to the substitute ringback tone service, wherein, a short message for advising the ~~a~~ required subscription of the service is sent to the ~~user~~ caller terminal when the ~~caller~~ user ~~is~~ has not subscribed to the substitute ringback tone service, ~~and said steps (c) through (e) are performed only when the user is subscribed to the substitute ringback tone service.~~

9. (currently amended) The method ~~as claimed in~~ of claim 7, wherein the communications network is the Internet, the wireless Internet, or a voice communications network:

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10. (currently amended) In a system connected to a mobile switching center configured to provide a substitute ringback tone to a caller terminal ~~when the mobile switching center suspends (sets up) a call to a called terminal and requests a service by providing an identification code of the called terminal,~~ a method of setting providing the substitute ringback tone to the caller terminal comprising the steps of:

(a) ~~providing a play control server for storing substitute ringback tone setting information set for each of every service subscriber who has subscribed to a substitute ringback tone service in a play control server, and a play server for storing various substitute ringback tones in a play server, and~~

wherein the play server is configured to reproduce and provide one of the various substitute ringback tones in response to ~~the~~ request of the mobile switching center, ~~and the one of a various substitute ringback tones being selected based on the setting information stored in the play control server;~~

(b) ~~receiving, a target phone number of a recipient from a user~~ the caller terminal through a communications network, ~~a phone number of a third party and information of selected substitute ringback tone to be presented to the third party;~~

(c) ~~temporarily storing the an identification code of the third party~~ recipient and sending a short message containing a callback information of the system to the ~~third party~~ recipient for inviting the ~~third party~~ recipient to connect to the system;

(d) ~~when the third party~~ recipient is connected to the system, receiving a confirmation for change of the substitute ringback tone of the ~~third party~~ recipient into the a presented tone selected by the caller terminal; and

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~~(e)~~storing the identification code of the ~~third-party~~recipient and the selected presented tone code in the play control server, such that the tone code of the recipient is now identical to the presented tone code.

11. (currently amended) The method as ~~claimed in~~of claim 410, wherein ~~said~~the step of temporarily storing the identification code of the recipient~~(e)~~ comprises the steps of:

~~(e1)~~determining whether the ~~third-party~~recipient ~~is has~~ subscribed to the substitute ringback tone service; and

~~(e2)~~sending a short message for advising the ~~a~~ required subscription of the service to the ~~third-party~~recipient in a case that where the ~~third-party~~recipient is not subscribed to the substitute ringback tone service, and sending a short message for inviting the ~~third-party~~recipient to connect to the system when the ~~third-party~~recipeint is has subscribed to the substitute ringback tone service.